

Appl. No. 09/889,685
Amdt. Dated March 9, 2004
Reply to Office Action of February 20, 2004

Listing of Claims:

1. (Currently Amended) A hinge connection, comprising:
a hinge arm having a hinge pin at an end thereof, the hinge pin including a spacing member extending radially beyond the hinge pin; and
a hinge recess including an end surface and a hinge hole disposed in the end surface including hinge hole for receiving the hinge pin and having guide surfaces forming a corner for guiding the hinge arm to a first position at which the hinge arm is seated in the corner and from which the hinge arm is slidable relative to the hinge recess along the corner towards a second position in which second position the hinge pin is inserted in the hinge hole while unseating the hinge arm from the corner; and
wherein the end of the hinge pin has a chamfer and the hinge hole is disposed in the end surface at an end of the corner and is arranged relative to the corner such that, during movement from the first position to the second position, the chamfer guides the hinge arm out of seated engagement with the corner of the recess.
2. (Currently Amended) A hinge connection according to claim ~~1~~ 1, wherein the spacing member has a cylindrically curved surface.
3. (Currently Amended) A hinge connection according to claim 2 1, wherein the spacing member has a surface which is circumferentially a complete cylinder.

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4. (Original) A hinge connection according to claim 3, wherein the hinge arm includes a main arm portion, and the spacing member and the hinge pin are integrally formed and rotatably mounted at an end of the main arm portion.

5. (Currently Amended) A hinge connection according to claim ~~2~~ 1, wherein the spacing member is contiguous with the hinge pin.

6. (Cancelled)

7. (Cancelled)

8. (Currently Amended) A hinge connection according to claim ~~7~~ 1, wherein the guide surfaces are planar.

9. (Original) A hinge connection according to claim 8, wherein the guide surfaces are generally orthogonal.

10. (Original) A hinge connection according to claim 9, wherein the end surface is orthogonal to the guide surfaces.

11. (Original) An electrical cabinet for electronic and electrical components, comprising a hinge connection according to claim 1, and a frame including a frame member including the hinge arm and a removable door panel including the hinge recess.

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12. (Cancelled)

13. (New) An electrical cabinet for electronic and electrical components,
comprising:

a frame;

a hinge arm extending from the frame, the hinge arm having a hinge pin at an
end thereof;

a removable door including a hinge recess, the hinge recess having an end
surface and a hinge hole disposed in the end surface for receiving the hinge pin and having
guide surfaces forming a corner for guiding the hinge arm to a first position at which the
hinge arm is seated in the corner and from which the hinge arm is slidable relative to the
hinge recess along the corner towards a second position in which second position the hinge
pin is inserted in the hinge hole while unseating the hinge arm from the corner; and

wherein the end of the hinge pin has a chamfer and the hinge hole is disposed
in the end surface at an end of the corner and is arranged relative to the corner such that,
during movement from the first position to the second position, the chamfer guides the hinge
arm out of seated engagement with the corner of the recess.

14. (New) The electrical cabinet as defined in claim 13, wherein the hinge arm
includes a spacing member which:

protrudes radially beyond the hinge pin;

in the first position, is in seated engagement with the corner of the recess; and

in the second position, is no longer in seated engagement with the corner.

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15. (New) The electrical cabinet as defined in claim 14, wherein the spacing member is contiguous with the hinge pin.